

CLAIMS

1. A fuel cell (1) having an electrode comprising an electrocatalyst (32) on a support, wherein the support is
5 a mesh (30) of conductive material.
2. A fuel cell according to claim 1, wherein said electrode is an anode.
- 10 3. A fuel cell according to claim 2, wherein the fuel cell comprises a cathode (7) and an electrolyte (6), wherein the anode and cathode are immediately adjacent the electrolyte.
- 15 4. A fuel cell according to claim 3, wherein the electrolyte (6) is an ion exchange membrane.
5. A fuel cell according to any one of claims 1 to 4, wherein the electrocatalyst (32) is a metal, metal alloy,
20 metal oxide or metal hydride.
6. A fuel cell according to any one of claims 1 to 5, wherein the mesh (30) has a minimum pore size of 5 μ m.

7. A fuel cell according to any one of claims 1 to 5,
wherein the mesh (30) has a minimum pore size of 50 μ m.

8. A fuel cell according to any one of claims 1 to 7,
5 wherein the mesh (30) comprises a plurality of layers
(40).

9. A fuel cell according to claim 8, wherein adjacent
layers of the mesh (30) are orientated at an angle to one
10 another.

10. A fuel cell according to any one of claims 1 to 9,
wherein the mesh (30) is made of a conductive material
selected from metal, metal alloy and metal composite.

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11. A fuel cell according to claim 10, wherein the mesh
(30) is made from titanium or titanium alloy.

12. A fuel cell according to any one of claims 1 to 11,
20 wherein there is at least one intermediate layer between
the electrocatalyst (32) and the mesh (30).

13. A method of operating a fuel cell according to any
one of claims 1 to 12, comprising the step of contacting
25 a fuel (20) and an oxidant on said electrode comprising

an electrocatalyst (32) supported on a mesh of conductive material (30).

14. The use of an electrode comprising an
5 electrocatalyst (32) supported on a mesh of conductive material (30), as described in any one of claims 1 to 12, in a fuel cell.